

PATENT ABSTRACTS OF JAPAN

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(54) COLOR IMAGE FORMING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an image forming method suitable for use in the formation of a color image (color proof) for proofreading from plural digital dot images obtained by color separation and the modification of a dot image in color plate making and printing steps.

SOLUTION: A silver halide photographic sensitive material having three silver halide emulsion layers separately containing different couplers on the substrate and having the relation of the expression $pK_a(2) - pK_a(1) \geq 1.0$ between the $pK_a(1)$ of the coupler in the silver halide emulsion layer nearest to the substrate and the $pK_a(2)$ of the coupler in the silver halide emulsion layer farthest from the substrate is subjected to scanning exposure with a laser or LED. In the expression, pK_a is pH at the inflection point of a neutralization titration curve drawn by dissolving 100 mg coupler in 50 ml aqueous sodium hydroxide solution of 80% ethanol and carrying out titration with a hydrochloric acid solution of 80% ethanol.

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